

HEAT-EXCHANGING DEVICE

Abstract of the Disclosure:

5 A heat exchanger comprising a substrate that comprises a  
bottom side and a top side; a unit for generating a directed  
fluid stream with a flow direction that is tangential to the  
bottom side and to the top side of substrate; webs projecting  
from the top side of substrate and perpendicular to the flow  
direction, lying one after the other in the flow direction,  
wherein a height of the webs is less than a spacing of  
10 adjacent webs in the flow direction; and a plurality of  
regularly arranged channels extending through the substrate.